

SEQUENCE LISTING

<110> Caplan, Michael J.

Bottomly H., Kim

Sosin B., Howard

Burks A., Wesley

Sampson A., Hugh

<120> Microbial Delivery System

<130> 2002834-0232

<140> To be Assigned

<141> 2003-12-04

<150> 60/195,035

<151> 2000-04-06

<150> 09/731,375

<151> 2000-12-06

<160> 3

<170> PatentIn Ver. 2.1

<210> 1

<211> 2032

<212> DNA

<213> Arachis hypogaea

<400> 1

aataatcata tatattcatc aatcatctat ataagtagta gcaggagcaa tgagagggag 60  
ggtttctcca ctgatgctgt tgcttagggat ccttgcctg gcttcagtt ctgcaacgca 120  
tgccaaagtca tcaccttacc agaagaaaac agagaacccc tgcgcccaga ggtgcctcca 180  
gagttgtcaa caggaacctgg atgacttgaa gcaaaaggca tgcgagtctc gctgcaccaa 240  
gctcgagttat gatcctcggtt gtgtcttatga tcctcgagga cacactggca ccaccaacca 300  
acgttccccctt ccaggggagc ggacacgtgg ccgccaaccc ggagactacg atgatgaccg 360  
ccgtcaaccc cgaagagagg aaggaggccg atggggacca gctggaccga gggagcgtga 420  
aagagaagaa gactggagac aaccaagaga agattggagg cgaccaagtc atcagcagcc 480  
acggaaaata aggcccgaag gaagagaagg agaacaagag tggggAACAC caggtagcca 540  
tgtgagggaa gaaacatctc ggaacaaccc tttctacttc ccgtcaaggc ggtttagcac 600  
ccgctacggg aaccaaaacg gtaggatccg ggtcctgcag aggtttgacc aaaggtcaag 660  
gcagtttcag aatctccaga atcaccgtat tgtcagatc gaggccaaac ctaacactct 720  
tggcttccc aagcacgctg atgctgataa catccttgcatttccatcacttgc 780  
cgtgaccgta gcaaattggca ataacagaaa gagcttaat cttgacgagg gccatgcact 840  
cagaatccca tccgggttca tttcctacat cttgaaccgc catgacaacc agaacctcag 900  
atgatctaataatctccatgc ccgttaacac acccggccag tttgaggatt tcttcccgcc 960  
gagcagccga gaccaatcat cctacttgca gggcttcagc aggaataacgt tggaggccgc 1020

cttcaatgcg gaattcaatg agatacggag ggtgctgtta gaagagaatg caggaggtga 1080  
gcaagaggag agagggcaga ggcgatggag tactcgagt aytgagaaca atgaaggagt 1140  
gatagtcaaa gtgtcaaagg agcacgttga agaacttact aagcacgcata aatccgtctc 1200  
aaagaaaaggc tccgaagaag agggagatat caccaaccca atcaacttga gagaaggcga 1260  
gcccgtatctt tctaacaact ttgggaagtt atttgaggtg aagccagaca agaagaaccc 1320  
ccagcttcag gacctggaca tgatgctcac ctgtgttagag atcaaagaag gagctttgat 1380  
gctcccacac ttcaactcaa aggccatggt tatcgctcgtc gtcaacaaag gaactggaaa 1440  
ccttgaactc gtggctgtaa gaaaagagca acaacagagg ggacggcggg aagaagagga 1500  
ggacgaagac gaagaagagg agggaaagtaa cagagaggtg cgtaggtaca cagcggagtt 1560  
gaaggaaggc gatgtttca tcataccgc agctcatcca gtatccatca acgcttcctc 1620  
cgaactccat ctgtttggct tcggtatcaa cgctgaaaac aaccacagaa tcttccttgc 1680  
agggtataag gacaatgtga tagaccagat agagaagcaa gcgaaggatt tagcattccc 1740  
tgggtcggtt gaacaagttt agaagctcat caaaaaccag aaggaatctc actttgttag 1800  
tgctcgtcct caatctcaat ctcaatctcc gtatccatcc gagaagagtt ctccatgagaa 1860  
agaggatcaa gaggagggaaa accaaggagg gaagggtcca ctccatccaa ttttgaaggc 1920  
ttttaactga gaatggaggc aacttgttat gtatcgataa taagatcactg ctttgtact 1980  
ctactatcca aaaacttatac aataaataaaa aacgtttgtc cggttttct cc 2032

<210> 2  
<211> 717  
<212> DNA  
<213> Arachis hypogaea

<400> 2  
gctcaccata ctagtagccc tcgcctttt ctcctcgct gcccacgcatt ctgcggggca 60  
gcagtggaa ctccaaaggag acagaagatg ccagagccag ctcgagaggg cgaacctgag 120  
gccctgcgag caacatctca tgcagaagat ccaacgtgac gaggattcat atgaacggga 180  
ccctacagc cctagtcagg atccgtacag ccctagtcata tatgtatcgga gaggcgctgg 240  
atcccttcag caccaagaga ggtgttgc aa tgagctgaac gagtttggaa acaaccaaag 300  
gtgcattgtgc gaggcattgc aacagatcat ggagaaccag agcgataggt tgcaggggag 360  
gcaacaggag caacagttca agagggagct caggaacttgc cctcaacagt gcggcccttag 420  
ggcaccacag cggtgcact tggacgtcga aagtggcgcc agagacagat actaaacacc 480  
tatctaaaaaa aaagaaaaaaa aaagaaaaaaa aaatagcttataataagct attatctatg 540  
gttatgttta gttttggtaa taataaagat catcaactata tgaatgtttt gatcggttta 600  
actaaggcaa gcttaggtta tatgagcacc tttagagtgc ttatggcg ttgtctatgt 660  
tttggctg cagagttgtt accatcttga aataatataaa aaagatcatg ttttggttt 717

<210> 3  
<211> 1524  
<212> DNA  
<213> Arachis hypogaea

<400> 3  
cgccagcaac cgaggagaa cgctgtccag ttccagcgcc tcaatgcgca gagacctgac 60  
aatcgcatgg aatcagaggg cggttacatt gagacttggaa accccaacaa ccaggagttc 120  
aatgcgcggc gctgtccccct ctctcgcttta gtcctccggcc gcaacgcctc tcgttaggcct 180

ttctactcca atgctccccca ggagatcttc atccagcaag gaaggggata ctttgggttg 240  
atattccctg gttgtcctag acactatgaa gagcctcaca cacaaggctcg tcgatctcag 300  
tcccaaagac caccaagacg tctccaagga gaagacaaa gccaacagca acgagatagt 360  
caccagaagg tgcaccgtt cgatgagggt gatctcattg cagttcccac cggtgttgct 420  
ttctggctct acaacgacca cgacactgat gttgttgctg tttctttac tgacaccaac 480  
aacaacgaca accagcttga tcagttcccc aggagattca atttggctgg gaacacggag 540  
caagagttct taaggtacca gcaacaaagc agacaaaagca gacgaagaag cttaccatat 600  
agcccatataca gcccgc当地 caagaagagc gtgaatttag ccctcgagga 660  
cagcacagcc gcagagaacg agcaggacaa gaagaagaaa acgaaggctgg aaacatctc 720  
agcggcttca cgccggagtt ccttgaacaa gccttccagg ttgacgacag acagatagtg 780  
caaaaacctaa gaggcgagac cgagagtgaa gaagaggag ccattgtgac agtgggggaa 840  
ggcctcagaa tctttagcccc agatagaaag agacgtgccg acgaagaaga ggaatacgt 900  
gaagatgaat atgaatacga tgaagaggat agaaggcgtg gcaggggaa cagaggcagg 960  
gggaatggta ttgaagagac gatctgcacc gcaagtgcata aaaagaacat tggtagaaac 1020  
agatccccctg acatctacaa ccctcaagct gtttcaactca aaactgccaa cgatctcaac 1080  
cttctaatac tttaggtggct tggacctagt gctgaatatg gaaatctcta caggaatgca 1140  
ttgttgtcg ctcactacaa caccaacgca cacagcatca tatatcgatt gaggggacgg 1200  
gctcacgtgc aagtctggc cagcaacggc aacagagtgt acgacgagga gcttcaagag 1260  
ggtcacgtgc ttgtgggtgcc acagaacttc gccgtcgctg gaaagtccca gagcgagaac 1320  
ttcgaatacgt tggcattcaa gacagactca aggcccagca tagccaaacct cgccggtgaa 1380  
aactccgtca tagataacct gccggaggag gtgggtgcaattcatatgg cctccaaagg 1440  
gagcaggcaa ggcagcttaa gaacaacaac cccttcaagt tcttcgttcc accgtctcag 1500  
cagtctccga gggctgtggc tttaa 1524